

IAP15 Rec'd PCT/PTO 12 APR 2006

Substitute for form PTO-1449				Complete if Known 10/575563		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number		
				Filing Date	April 12, 2006	
				First Named Inventor	Lester H. Landis, Jr.	
				Art Unit		
				Examiner Name		
Sheet	1	Of	3	Attorney Docket Number	2004UR002	
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		5,018,112	05/21/1991	Pinkerton et al.		
		5,757,663	05/26/1998	Lo et al.		
		5,835,882	11/10/1998	Vienot et al.		
		5,835,883	11/10/1998	Neff et al.		
		6,106,561	08/22/2000	Farmer		
		6,302,221 B1	10/16/2001	Hamman et al.		
		6,374,201 B1	04/16/2002	Grizon et al.		
		6,549,854 B1	04/15/2003	Malinverno et al.		
		6,662,109 B2	12/09/2003	Roggero et al.		
		6,662,146 B1	12/09/2003	Watts		
		6,694,264 B2	02/17/2004	Grace		
		6,754,588 B2	06/22/2004	Cross et al.		
		6,792,354 B1	09/14/2004	O'Meara, Jr.		
		6,826,483 B1	11/30/2004	Anderson et al.		
		6,865,486 B2	03/08/2005	Tobias et al.		
		6,950,751 B2	09/27/2005	Knobloch		
		6,980,940 B1	12/27/2005	Gurpinar et al.		
		2003/0046005 A1	03/06/2003	Haarstad		
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		WO 00/48022	08/17/2000	Schlumberger		
		WO 00/79423 A1	12/28/2000	ExxonMobil Upstream Research		
		WO 2005/074592 A2	08/18/2005	ExxonMobil Upstream Research		
Examiner Signature	/Hugh Jones/			Date Considered	06/22/2009	

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		J. E. AARNES et al., "Toward Reservoir Simulation on Geological Grid Models", European Conference on the Mathematics of Oil Recovery, Cannes, France, 30 August-2 September 2004, pp. 1-8	
		M. ABBASZADEH et al., "Integrated Geostatistical Reservoir Characterization of Turbidite Sandstone Deposits in Chicontepec Basin, Gulf of Mexico", SPE 84052, 5 October 2003, pp. 1-15, XP002289310	
		J. S. GOMES et al., "Geological Modeling of a Tight Carbonate Reservoir for Improved Reservoir Management of a Miscible WAG Injection Project, Abu Dhabi, U.A.E.", SPE 78529, 13 October 2002, pp. 1-11, XP002289311	
		K. GRUCHALLA, "Immersive Well-Path Editing: Investigating the Added Value of Immersion", Proceedings of the 2004 IEEE Virtual Reality, Chicago, IL, March 27-31, 2004, pp. 157-164	
		R. P. KENDALL et al., "The Impact of Vector Processors on Petroleum Reservoir Simulation", Proceedings of the IEEE, Vol. 72 No. 1, January 1984, pp. 85-89	
		J. G. KIM et al., "Toward a Grid-Based Simulation of Multiphase Fluid Flow in Porous Media", Proceedings of the 18 th International Parallel and Distributed Processing Symposium, IEEE, 2004, 4 pages	
		P. MENDOZA et al., "Fault Interpretation Strategy for 3D model Simulation", SPE 78994, 4 November 2003, pp. 1-11, XP02289312	
		V. MOTTI et al., "Pattern Recognition in Spatial Data: A New Method of Seismic Explorations for Oil and Gas in Crystalline Basement Rocks", IEEE, 2000, pp. 315-318	
		S. NARAYANAN et al., "Applying Database Support for Large Scale Data Driven Science in Distributed Environments", Proceedings of the Fourth International Workshop on Grid Computing, IEEE, November 2003, pp. 141-148, 8 pages	
		M. L. SWEET et al., "Modeling Heterogeneity in a Low-Permeability Gas Reservoir Using Geostatistical Techniques, Hyde Field, Southern North Sea", AAPG Bulletin, V. 80 No. 11, November 1996, pp. 1719-1735	
		G. J. J. WILLIAMS et al., "Top-Down Reservoir Modeling", SPE 89974, SPE Annual Technical Conference, Houston, Texas, 26-29 September 2004, pp. 1-8	
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NON PATENT LITERATURE DOCUMENTS					
		T. YU, "Evolving Cellular Automata to Model Fluid Flow in Porous Media", 2002 NASA/DOD Conference on Evolvable Hardware, IEEE, July 2002, 8 pages			
		European Search Report No. 111081, dated 7-30-2004 for Provisional Application No. 60/540,770 (2004UR002), 3 pages			
		International Search Report and Written Opinion, mailed 6/7/2005 for PCT/US05/01932 (2004UR002), 8 pages			
		International Preliminary Search Report for PCT/US05/01932 (2004UR002), 6 pages			
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